THE CITY OF SAN DIEGO

San Pasqual Basin

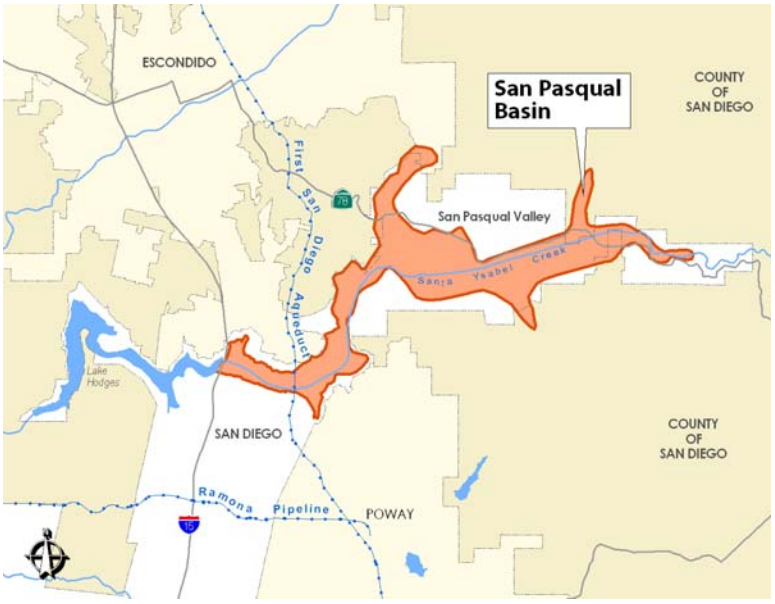
San Pasqual Conjunctive Use Storage and Recovery Project

FACT SHEET

A water resource strategy that includes conservation, recycled water and groundwater supplies will help meet future water needs.

Developing Potable Water Supplies

One of the top priorities of the City of San Diego is developing new local water supplies and storage. The use of groundwater reduces reliance on imported water supplies and contributes to regional efforts to reduce demands for imported water.



Basin Overview

The San Pasqual Basin is located approximately 25 miles northeast of downtown San Diego. The Sutherland Reservoir is located upstream of the basin, with Lake Hodges located downstream. The total surface area of the groundwater basin is approximately 4,540 acres.

Basin Capacity

Approximate storage capacity is 58,000 acre-feet (AF) and approximate yield is 5,800 acre-feet per year (AFY). A Groundwater Management Plan for the San Pasqual basin was adopted by the city council in 2007.

San Pasqual Conjunctive Use Storage and Recovery Project

Estimated Cost: $39 million
Estimated Timeline: 4-5 years
Planning Study Cost: $950,000
Planning Study Grant Funding: $750,000

The conjunctive use project would operate by storing up to 10,000 AF of imported water in the aquifer during periods of availability and taking it out for use when needed. Imported water would be delivered from the First San Diego Aqueduct to the basin and stored by means of percolation. Stored water would be recovered by extraction wells.

A planning study is underway to research the feasibility of storing and recovering raw water in the upper (eastern) basin. The study cost is projected at $950,000 and $750,000 in local grant funding has been acquired.

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